



1642

PATENT

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Att'y

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Elie H. Gendloff
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Reg. No. 44,704

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In re application of:
Rice and Blight

Serial No.: 09/576,989

Examiner Not assigned

Filed: May 23, 2000

Group Art Unit 1646

For: HCV VARIANTS

Assistant Commissioner for Patents
Washington, D.C. 20231

LETTER TO OFFICIAL DRAFTSPERSON

Enclosed are 8 sheets of formal drawings which can be used in place of the informal drawings originally filed with the application.

Respectfully submitted,

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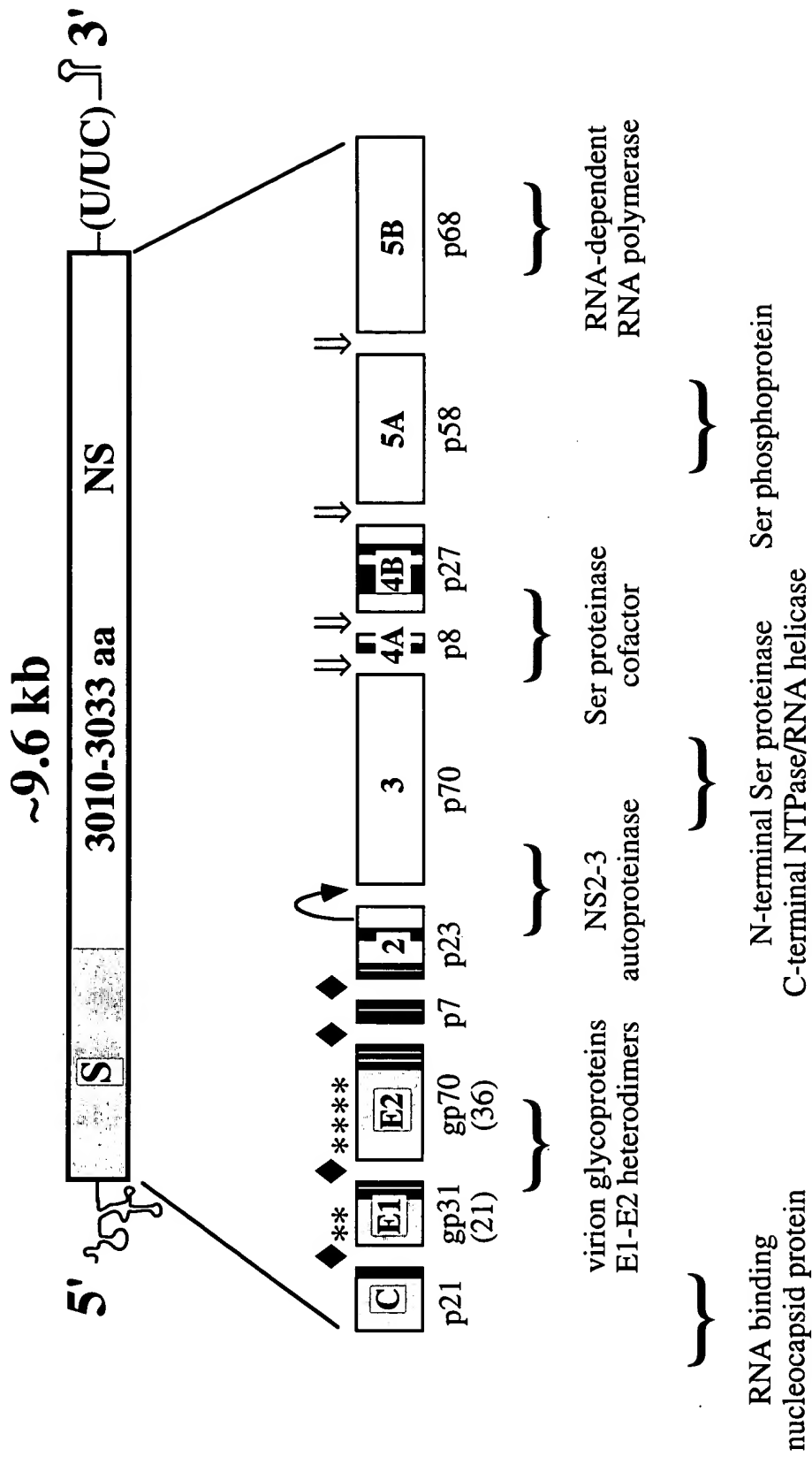


FIGURE 1

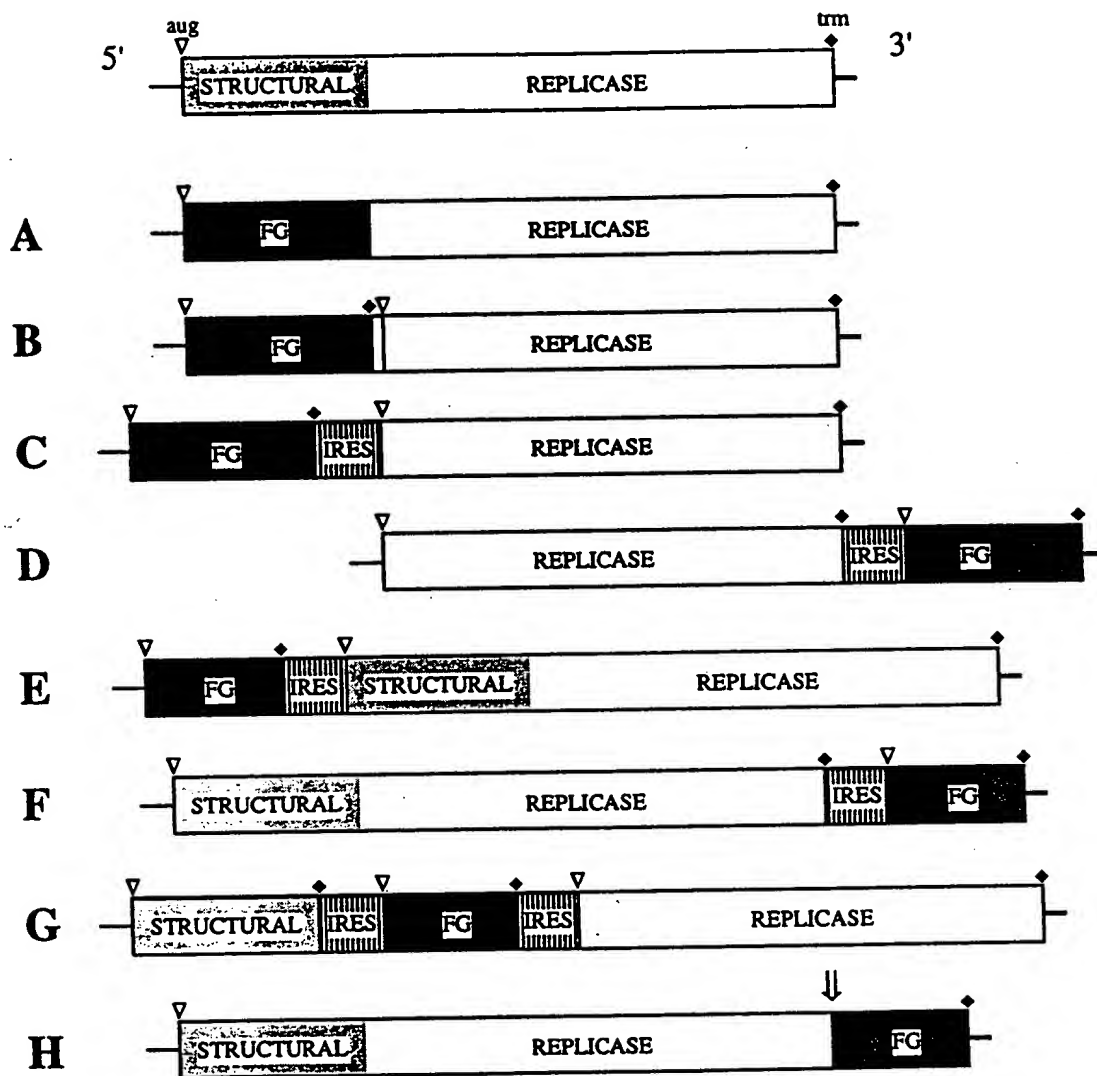


Figure 2

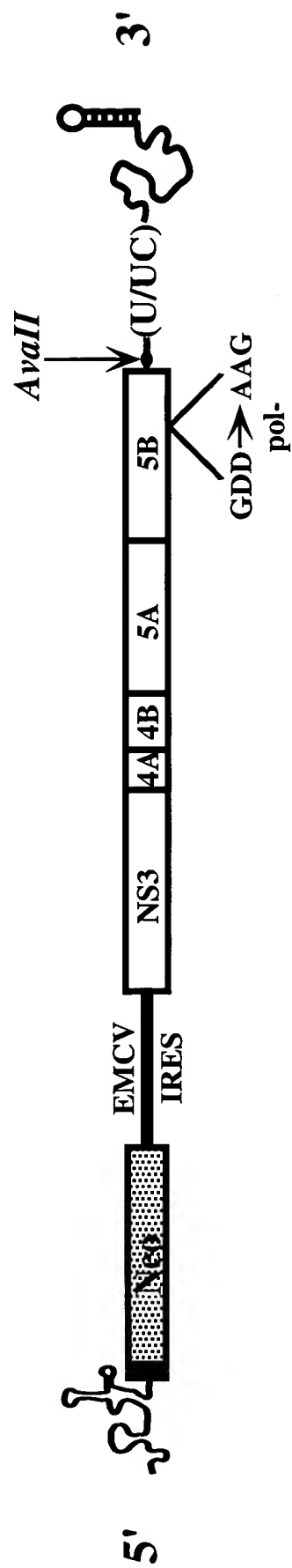
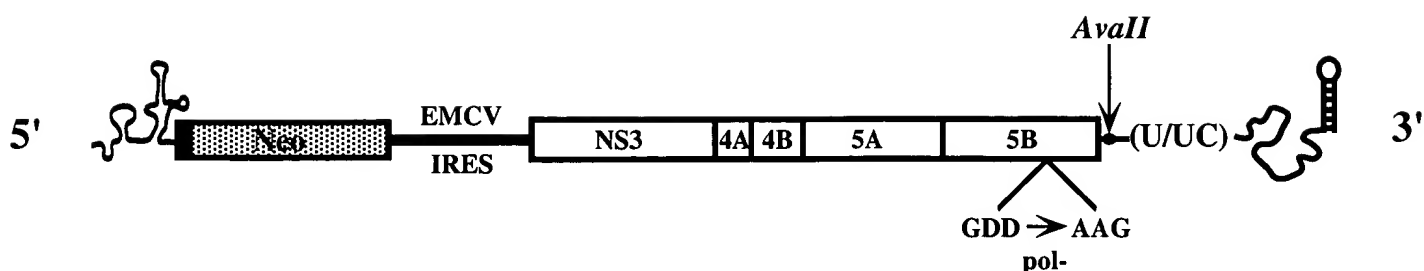


Figure 3

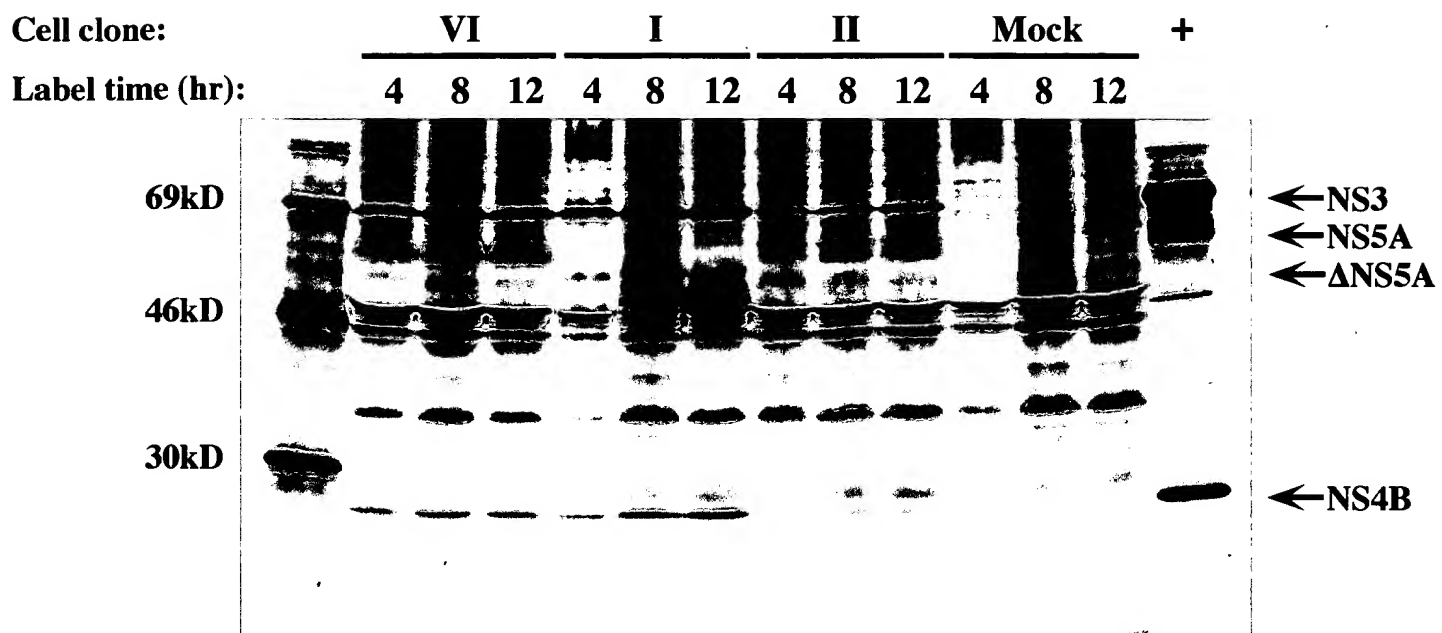


- DNase digest RNA transcripts
- Electroporate RNA into Huh7 cells
- G418-resistant colonies were generated at low frequency
- 28 colonies were picked & 90% of these could be passaged
- No colonies observed for the replicon RNA containing an inactive RDRP

Clone	Copy number/cell	Cytoplasmic NS3	Growth Rate
I	>1000	Yes	Fast
II	~1000-5000	Yes	Fast
IV	ND	Yes	Fast
V	500	ND	Moderate
VI	~1000	Yes	Fast
VII	>800	Yes	Fast
Clone E	<400	No	Very slow

Figure 4

A.



B.



Figure 5

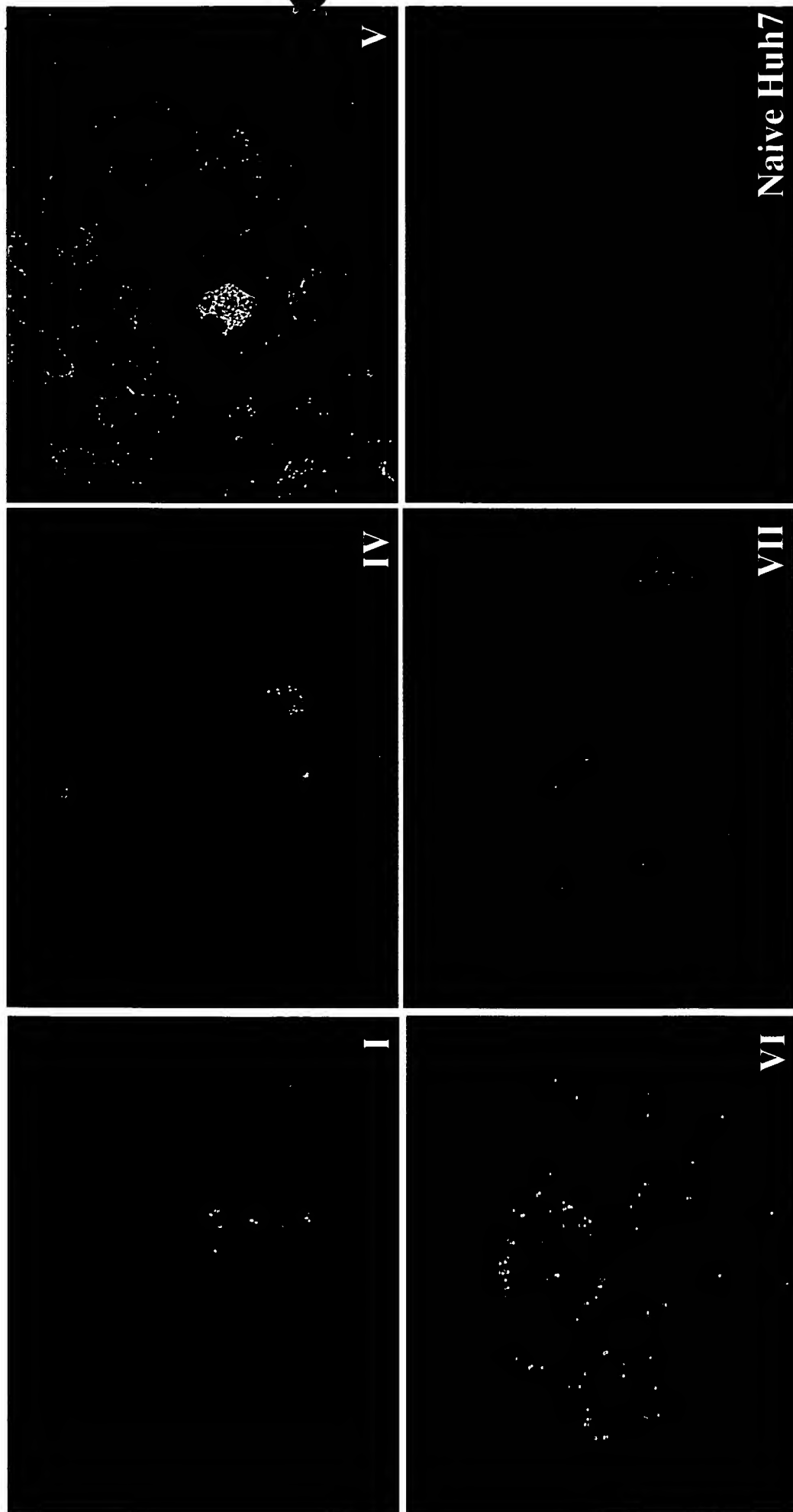
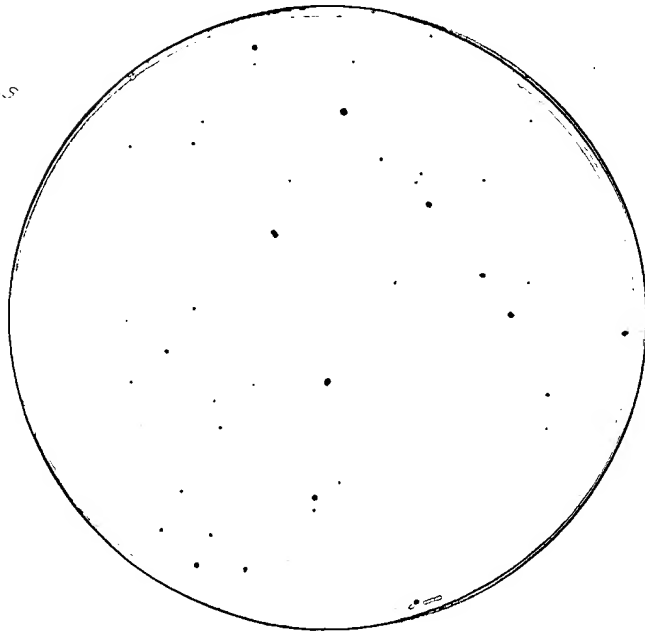


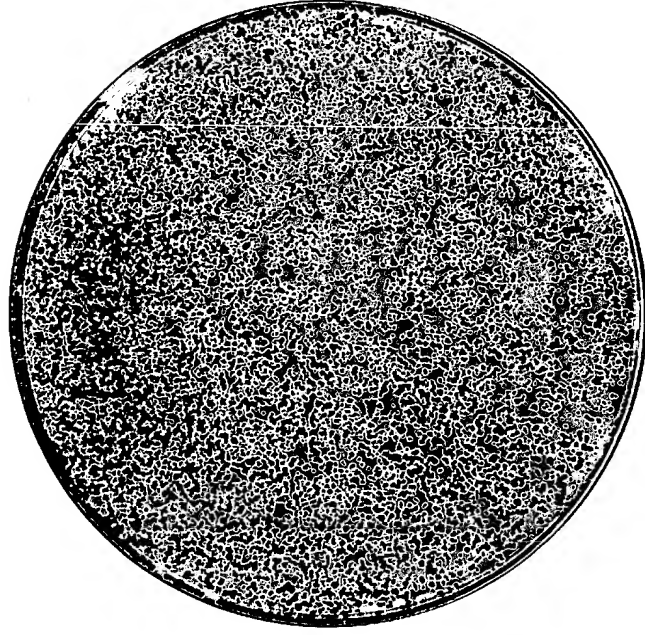
Figure 6

aa 1163													1182	1229												
	Arg	Arg	Leu	Ala	Arg	Gly	Ser	Pro	Pro	Pro	Ser	TCC	TTG	Ala	Ser	AGC	TCA	Ser	Ala	Ser	Gln	Leu	Ser	TCT	Asp	GAC
	CGT	AGG	CTG	GCC	AGG	GGA	TCT	CCC	CCC	CCC	TCC	TCC	TTG	GCC	AGC	TCA	TCA	GCT	AGC	AGC	CAG	CTG	TCT	Asp	GAC	
I	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
II	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
III	Pro	CCC
IV	Cys	TGC
V
VII

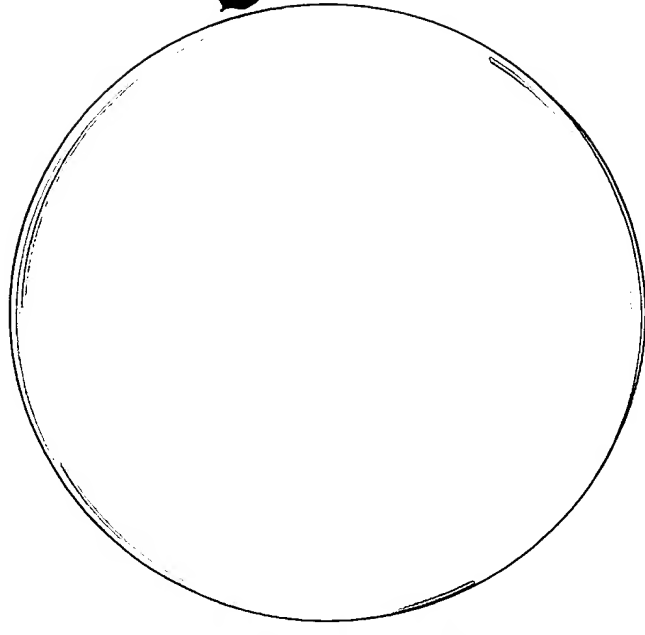
Figure 7



HCVrepBartMan/Avall



Variant I



pol-

Figure 8

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